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Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 1

of 6

Application Number	09/954,646
Filing Date	09/18/2001
First Named Inventor	Seth A. Foerster
Art Unit	3768
Examiner Name	Rozanski

Attorney Docket Number END-777

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2001/0023322	09/20/2001	Espositio	
		US- 3,120,230	02/04/1964	Skold	
		US- 3,945,375	03/23/1976	Banko	
		US- 3,958,576	05/25/1976	Komiya	
		US- 3,996,935	12/14/1976	Banko	
		US- 4,080,959	03/28/1978	Leveen	
		US- 4,086,914	05/02/1978	Moore	
		US- 4,103,690	08/01/1978	Harris	
		US- 4,197,846	04/15/1980	Bucalo	
		US- 4,210,146	07/01/1980	Banko	
		US- 4,247,406	01/27/1981	Widder	
		US- 4,250,892	02/17/1981	Dolhay	
		US- 4,320,761	03/23/1982	Haddad	
		US- 4,402,308	09/06/1983	Scott	
		US- 4,583,538	04/22/1986	Onik	
		US- 4,649,151	03/10/1987	Dougherty	
		US- 4,682,606	07/28/1987	DeCaprio	
		US- 4,693,237	09/15/1987	Hoffman	
		US- 4,699,154	10/13/1987	Lindgren	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP146699A1	07/03/1985	Gebruder Sulzer Aktienges		<input checked="" type="checkbox"/> Abst
		EP293605B1	08/11/1993	Boston Scientific Corp.		<input type="checkbox"/>
		EP350043B1	01/10/1990	Palestrant		<input type="checkbox"/>
		EP481685A1	04/22/1992	Cook Inc.		<input type="checkbox"/>
		GB2132091A	07/04/1984	Bard Inc.		<input type="checkbox"/>
		JP9066063A	03/11/1997	Kokken KK		<input checked="" type="checkbox"/> Abst

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Sheet 2

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Application Number	09/954,646
Filing Date	09/18/2001
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Art Unit	3768
Examiner Name	Rozanski

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		Number-Kind Code ² (if known)			
		US- 4,709,703	12/01/1987	Lazarow	
		US- 4,718,897	01/12/1988	Elves	
		US- 4,733,664	03/29/1988	Kirsch	
		US- 4,787,391	11/29/1988	Elefteriades	
		US- 4,832,685	05/23/1989	Haines	
		US- 4,853,210	08/01/1989	Kass	
		US- 4,871,094	10/03/1989	Gall	
		US- 4,881,551	11/21/1989	Taylor	
		US- 4,900,304	02/13/1990	Fujioka	
		US- 4,907,599	03/13/1990	Taylor	
		US- 4,909,250	03/20/1990	Smith	
		US- 4,929,240	05/29/1990	Kirsch	
		US- 4,935,005	06/19/1990	Haines	
		US- 4,944,308	07/31/1990	Akerfeldt	
		US- 4,966,583	10/30/1990	Debbas	
		US- 4,994,013	02/19/1991	Suthanthiran	
		US- 4,994,069	02/19/1991	Ritchart	
		US- 4,995,877	02/26/1991	Ams	
		US- 5,002,548	03/26/1991	Campbell	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 90/15576	12/27/1990	Research Corp. Tech. Inc.		
		WO 93/19803	10/14/1993	Boston Scientific Corp.		
		WO 00/24320	05/04/2000	United States Surgical		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	09/954,646
Sheet	3	Filing Date	09/18/2001
	of 6	First Named Inventor	Seth A. Foerster
		Art Unit	3768
		Examiner Name	Rozanski
		Attorney Docket Number	

U. S. PATENT DOCUMENTS					
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		US- 5,014,713	05/14/1991	Roper	
		US- 5,024,727	06/18/1991	Campbell	
		US- 5,025,797	06/25/1991	Baran	
		US- 5,108,407	04/28/1992	Geremia	
		US- 5,108,421	04/28/1992	Fowler	
		US- 5,112,299	05/12/1992	Pascaloff	
		US- 5,122,147	06/16/1992	Sewell, Jr.	
		US- 5,125,413	06/30/1992	Baran	
		US- 5,133,661	07/28/1992	Euvrard	
		US- 5,147,307	09/15/1992	Gluck	
		US- 5,156,609	10/20/1992	Nakao	
		US- 5,188,111	02/23/1993	Yates	
		US- 5,192,270	03/09/1993	Carswell, Jr.	
		US- 5,192,292	03/09/1993	Cezana	
		US- 5,201,314	04/13/1993	Bosley, Jr.	
		US- 5,209,232	05/11/1993	Levene	
		US- 5,217,478	06/08/1993	Rexroth	
		US- 5,226,911	07/13/1993	Chee	
		US- 5,240,011	08/31/1993	Assa	

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		US- 5,242,456	09/07/1993	Nash
		US- 5,242,457	09/07/1993	Akopov
		US- 5,275,609	01/04/1994	Pingleton
		US- 5,280,457	01/18/1994	Figueroa
		US- 5,320,635	06/14/1994	Smith
		US- 5,342,283	08/30/1994	Good
		US- 5,353,804	10/11/1994	Kornberg
		US- 5,358,474	10/25/1994	Kaldany
		US- 5,364,406	11/15/1994	Sewell, Jr.
		US- 5,400,798	03/28/1995	Baran
		US- 5,403,276	04/04/1995	Schechter
		US- 5,413,584	05/09/1995	Schulze
		US- 5,496,314	03/05/1996	Eggers
		US- 5,538,010	07/23/1996	Darr
		US- 5,626,611	05/06/1997	Liu
		US- 5,649,547	07/22/1997	Ritchart
		US- 5,664,574	09/09/1997	Chance
		US- 5,676,146	10/14/1997	Scarborough
		US- 5,681,262	10/22/1997	Isse

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		US- 5,718,237	02/17/1998	Haaga	
		US- 5,879,357	03/09/1999	Heaton	
		US- 6,071,301	06/06/2000	Cragg	
		US- 6,258,070	07/10/2001	Kaldany	
		US- 6,270,464	08/07/2001	Fulton, III	
		US- 6,347,241	02/12/2002	Burbank	
		US- 6,350,244	02/26/2002	Fisher	
		US- RE34,056	09/08/1992	Lindgren	
		US- 3,351,049	11/07/1967	Lawrence	
		US- 4,863,470	09/05/1989	Carter	
		US- 5,019,370	05/28/1991	Jay	
		US- 5,271,961	12/21/1993	Mathiowitz	
		US- 5,405,402	04/11/1995	Dye	
		US-			

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				Examiner Name	Rozanski
Sheet	6	of	6	Attorney Docket Number	END-777

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
		FINAN et al., "Interstitial Radiotherapy for Early Stage Vaginal Cancer", The Journal of Reproductive Medicine, Vol. 38, No. 3, March 1993, pp. 179-182		T ²
		HOFMANN et al., "Biodegradable Implants in Orthopaedic Surgery--A Review on the State-of-the-Art", Clinical Materials, Vol. 10, 1992, pp. 75-80		
		HOMER et al., "The Geographical Cluster of Microcalcification of the Breast", Surgery, Gynecology & Obstetrics (1985), pp. 532-534		
		KRAMER et al., "A Permanent Radiopaque Marker Technique for the Study of Pharyngeal Swallowing in Dogs, Dysphagia", (1987) pp. 163-167		
		LEONARD et al., "Use of Ultrasound to Guide Radiation Boost Planning Following Lumpectomy for Carcinoma of the Breast", Int. Journal Radiation Oncology, Vol. 27, 1993, pp. 119		
		"Letters to the American Journal of Radiology", AJR, Vol. 164, Jan 1995, pp. 260-261		
		PARKER and BURBANK, "A Practical Approach to Minimally Invasive Breast Biopsy", RADIOLOGY, Vol. 200, 1996, pp. 11-20		
		PARKER and KLAUS, "From the RSNA Refresher Courses: Performing a Breast Biopsy With Directional, Vacuum-Assisted Biopsy Instrument, RADIOGRAPHICS, Vol. 17/5, 1997, pp. 1233-12		
		SEOUDI et al., "Stereotactic Core Needle Biopsy of Nonpalpable Breast Lesions-Initial Experience with a Promising Technique; ARCH. SURGERY, Vol. 133, Apr. 1988, pp. 366-372		
		THOMSON et al., "Stereotacit Brain Biopsy Using a Narrow Aperture Computed Tomography Scanner; CLINICAL RADIOLOGY, Vol. 35, 1984, pp. 209-214		

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